

Friday, 21 August 1987

- Ryan P.B., Spengler J.D., Treitman R.D., Soczek M.L., Yanagisawa Y., Wallace L.A., Billick L.H.
Nitrogen Dioxide Exposure in Greater Boston: Evaluation of Personal Monitoring

10:45

Break

11:15

Discussion at Poster Walls (Area C3)

10:00

Poster Session, Saal 6 (Room 6)

Radon: Sources, Interactions and Reduction Measures

Co-Chairpersons:

- L.S. Quindos Poncela, Professor, Albuquerque (USA)
- R.G. Sextro, Dr., Berkeley (USA)

Presentations (5 min. each):

- Burkart W., Cramer R.
Increased Indoor Radon Levels Due to Actinide Containing Mineral Collections Displayed in Living Areas
- D'Ottavio T.W., Dietz R.N., Kunz C., Kothari B.
Radon Source Rate Measurements Using Multiple Perfluorocarbon Tracers
- Dundey C.S., Hawthorne A.R., Bull L.A., Cohen M.A., Daffron C.R., Orebaugh C.T., Harper J.P.
Radon Levels in 300 Houses in Roane County, Tennessee
- Hartwell T.D., Perritt R.L., Sheldon L.S., Cox B.G., Smith M.L., Rizzuto J.E.
Distribution of Radon Levels in New York State Homes
- Ikeda K., Yoshizawa S., Komine H., Kaminaka S., Abe S.
Experimental Studies on the Indoor Radon and Radon Daughter Concentrations Build-up in Japanese Houses
- Kokotti H., Raunetmaa T.
Indoor Radon in Three Similar Two-Story Houses with Different Ventilation Systems



Tuesday, 18 August 1987

- Phong D.N.
Effects of the Hot Humid Conditions on Physiological Indices of Young People in Housing Areas in Vietnam

11:45

Break

12:15

Discussion

9:45

Symposium, Saal 4/5 (Room 4/5)

Particulate Matter and Fibres:

Sources, Characterization and Health Effects

Organizer: M. Lippmann, Dr., New York (USA)

Chair: F. Speizer, Dr., New Haven (USA)

Presentations (15 min. each):

- Fishbein L., O'Neill I.K.
Metals in Indoor Environments: Sources and Aspects of Bioavailability and Interactions
- Krause C., Dube P., Neumayr V., Schulz C., Wolter R.
Metal Concentrations in Indoor Dust Samples from German Homes
- Clench-Aas J., Thomassen Y., Levy F.
The Use of Estimating Exposure to Ambient Lead in Calculating the Air to Blood Lead Ratio
- Marfels H., Spurny K.R.
Indoor Measurements of Mineral Fibers
- Boone P.M., Rossman T.G., Daisey J.M.
The Genotoxic Contribution of Woodsmoke to Indoor Respirable Suspended Particles
- Sinclair J.D., Psota-Kelty L.A., Weschler C.J.
Water Soluble Salts: A Comparison of Indoor-Outdoor Concentrations and Deposition Velocities at Three Office Sites
- Quackenboss J.J., Lebowitz M.D., Crutchfield C.D., Burchin D.
Indoor-Outdoor Relationships for Particulate Matter and Verification of Exposure Classifications

11:30

Break

12:00

Discussion

Tuesday, 18 August 1987

9:45 Symposium, Saal 7 (Room 7)

Volatile Organic Compounds: Characterization and Health Effects

Organizer: H. Knöppel, Dr., Ispra (I)
Chair: H. Greim, Professor, München (D)

Presentations (15 min. each):

- Kjaergaard S., Mølhave L., Pedersen O.F.
Human Reactions to Indoor Air Pollution:
n-Decane
- Krause C., Mailahn W., Nagel R., Schulz C.,
Seifert B., Ullrich D.
Occurrence of Volatile Organic Compounds in
the Air of 500 Homes in the Federal Republic of
Germany
- Seifert B., Schulz C., Steinbach I., Ullrich D.,
Mailahn W.
Seasonal Variation of Concentrations of Volatile
Organic Compounds in Selected German Homes
- Hartwell T.D., Pellizzari E.D., Perritt R.L.,
Whitmore R.W., Zelon H.S.
Comparison of Volatile Organic Levels Between
Sites and Seasons for the Total Exposure
Assessment Methodology Study
- Wallace L.A., Hartwell T.D., Perritt K.,
Sheldon L.S., Michael L., Pellizzari E.D.
The Influence of Personal Activities on Exposure
to Volatile Organic Compounds
- Kliest J., Fast T., Boleij J.S.M., van de Wiel H.,
Bloemen H.
The Relation between Soil Pollution and Indoor
Air Pollution with Volatile Organic Compounds
- Wolkoff P.
Sampling of VOC Indoors Under Condition of
High Time Resolution

11:30 Break

12:00 Discussion



Friday, 21 August 1987

8:00 Symposia Summeries, Saal 3 (Hall 3)
(Symposia of Thursday Morning)
Chair: B. Berglund, Dr., Stockholm (S)

Plenary Lectures, Saal 3 (Hall 3)

8:30 Public Policy Implications of Exposure
to Indoor Pollution
K. Sexton, Dr., Washington (USA)

9:00 Assessing the Relative Risk of Indoor
Exposures and Hazards, and Future Needs
Th. Lindvall, Professor, Stockholm (S)

10:00 Poster Session, Saal 4/5 (Room 4/5)

Combustion Gases: Exposure and Health Effects

Co-Chairpersons:
W. Jedrychowski, Professor, Cracow (PL)
J. Spengler, Professor, Boston (USA)

Presentations (5 min. each):

- Houthuijs D., Remijn B., Brunekreef B.,
de Koning R.
Exposure to Nitrogen Dioxide and Tobacco
Smoke and Respiratory Health of Children
- Jedrychowski W., Tobiasz-Adamczyk B.,
Mróz E., Gomola K.
What Effect Does Indoor Air Pollution due to
Domestic Cooking Have on the Chest Problems
of Elderly Women?
- Lewtas J., Claxton L.D., Mumford J.L.
Human Exposure to Mutagens from Indoor
Combustion Sources
- McCarthy S.M., Yarmac R.F., Yocom J.E.
Indoor Nitrogen Dioxide Exposure: The
Contribution from Unvented Gas Space Heaters
- Morand M.T., Stock T.H.
The Estimation of Personal Exposure to
Residential Gaseous Air Pollutants
- Quraishi T., Todd J.
Effects of Domestic Wood-Burning on Indoor
Air Quality - An Overview

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Thursday, 20 August 1987

- Witek Jr. T.J., Schachter E.N., Tosun T., Leaderer B., Beck G.J.
Assessment of Acute Pulmonary Effects of Formaldehyde in an Environmental Chamber Test Facility

16:45 **Break**

17:15 **Discussion at Poster Walls (Area H2)**

15:15 **Workshop, Saal 10 (Room 10)**

The Danish Town Hall Study Leader: P. Skov, Dr., Copenhagen (DK)

- Franck C., Skov P.
Objective Signs of Eye Irritation in Buildings Suspected of Causing Indoor Climate Problems
- Valbjørn O., Skov P.
Influence of Indoor Climate on the Sick Building Syndrome Prevalence
- Nielsen P.A.
Potential Pollutants - Their Importance to the Sick Building Syndrome and Their Release Mechanism

18:00 **Introducing the New President, Saal 3 (Hall 3)**



INDOOR AIR '87

Tuesday, 18 August 1987

9:45

Poster Session, Saal 6 (Room 6)

Measures to Guarantee Adequate Indoor Air Quality

Co-Chairpersons:

- I.H. Billick, Dr., Chicago (USA)
- J.M. Dave, Professor, New Delhi (IND)

Presentations (5 min. each):

- Alevantis L.E., Hayward S.B.
A Computer-Controlled System for Measuring Building Air Exchange Rates Using Sulfur Hexafluoride as a Tracer Gas
- Bugaj A.
New Concept of Air Distribution in Operating Room
- Cole R.J., Sterling E.M.
Designing Office Buildings for Improved Environmental Quality
- Drangsholt F.
Ventilation by Demand
- Fujii S., Boelman E.C.
Characteristics of Concentration Changes in a Clean Room
- Georgakis K.S., Smith J.W., Goodfellow H.D.
The Use of Tracer Gas and Analytical Models to Study Dilution and Recirculation from Laboratories
- Guttman K.
Proposed Method of Indoor Air Pollution Control by Dilution with Outside Air
- Hagenbruch D.
Fan Standards in Clean-Room Technology
- Matthews T.G., Thompson C.V., Monar K.P., Dudley C.S., Hawthorne A.R., Harper J.P., Williams A.B.
Impact of HVAC Operation and Leakage on Ventilation and Intercompartment Transport: Studies in a Research House and 39 Tennessee Valley Homes
- Tanaka T., Matsumoto T.
Evaluation of Performance of VAV System in Super Energy Conservation Building

Tuesday, 18 August 1987

11:00 Break

11:30 Discussion at Poster Walls (Area G1)

9:45 Poster Session, Saal 8 (Room 8)

"Sick Buildings": Case Studies

Co-Chairpersons:

P.J. Dennis, Dr., Porton Down (GB)
O. Valbjørn, Dr., Hørsholm (DK)

Presentations (5 min. each):

- Berglund B., Berglund U., Lindvall Th., Lundin L.
Air Quality in a Sick Library over a Period of 16 Weeks
- Finnegan M.J., Pickering A.C.
Prevalence of Symptoms of the Sick Building Syndrome in Buildings without Expressed Dissatisfaction
- Finnegan M.J., Pickering A.C., Gill F.S., Ashton I.
Negative Ions and the Sick Building Syndrome
- Hedge A., Sterling E.M., Collett C.W., Mueller B., Robson R.
Indoor Air Quality Investigation as Psychological Stressor
- Helsing K.J., Billings C.E., Conde J.
Cure of a Sick Building: A Case Study
- Konopinski V.J.
Gaseous Pollutants in a New-Office Building
- Morris L., Hawkins L.
The Role of Stress in the Sick Building Syndrome
- Norbäck D., Torgen M.
A Longitudinal Study of Symptoms Associated with Wall-to-Wall Carpets and Electrostatic Charge in Swedish School Building
- Pöhlmann L., Pöhlmann B.
Observations on the "Sick Building Syndrome" in a Newly Built Large Hospital
- Potting J., van de Sandt P., ter Haar Romeny-Wachter I., Brunekreef B., Boleij J.S.M.
Health Complaints, CO₂ Levels and Indoor Climate in Dutch Schools



INDOOR AIR '87

Thursday, 20 August 1987

15:15

Poster Session, Saal 9 (Room 9)

Odours, Irritants and Formaldehyde

Co-Chairpersons:

T. Engen, Professor, Providence (USA)
M. Hangartner, Dr., Zürich (CH)

Presentations (5 min. each):

- Ahlstrom R., Berglund B., Berglund U., Engen T., Lindvall T.
Odor Perception in Smokers, Non-Smokers and Passive Smokers
- Arundel A., Collett C., Sterling E., Steeves J.
Low Relative Humidity and Eye, Nose, Throat and Skin Irritation
- Berglund B., Berglund U., Högman L., Johansson I., Lindvall T.
The Psychophysics of Formaldehyde Odor
- Cain W.S.
A Functional Index of Human Sensory Irritation
- Crump D.R., Gardiner D.
Sources and Concentrations of Aldehydes and Ketones in Indoor Environments in the U.K.
- Engen T.
Adaptation to Odors
- Howlett Jr. C.T., Newton L.R., Stevens K.R.
Formaldehyde: A Case Study
- Keller R., Hümpel P.
Air and Water Analysis of Formaldehyde and of Other Aldehydes
- Konopinski V.J.
Formaldehyde Sensitivity and Control
- Marutzky R.
Formaldehyde Injuries in Prefabricated Houses: Causes, Prevention and Reduction
- Meyer C.B., Endrödy E., Sundin B., Månsson B.
Variations of Formaldehyde Exposure in Homes and Office Buildings
- Raab K.H.
Risk Assessment of Odor Counteraction
- Strav H., Oehme M.
Convenient Method for Determination of Sub-ppb to ppm Levels of C₁-C₆ Aldehydes Using Solid Adsorbent Sampling

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